WILDLIFE REVIEW

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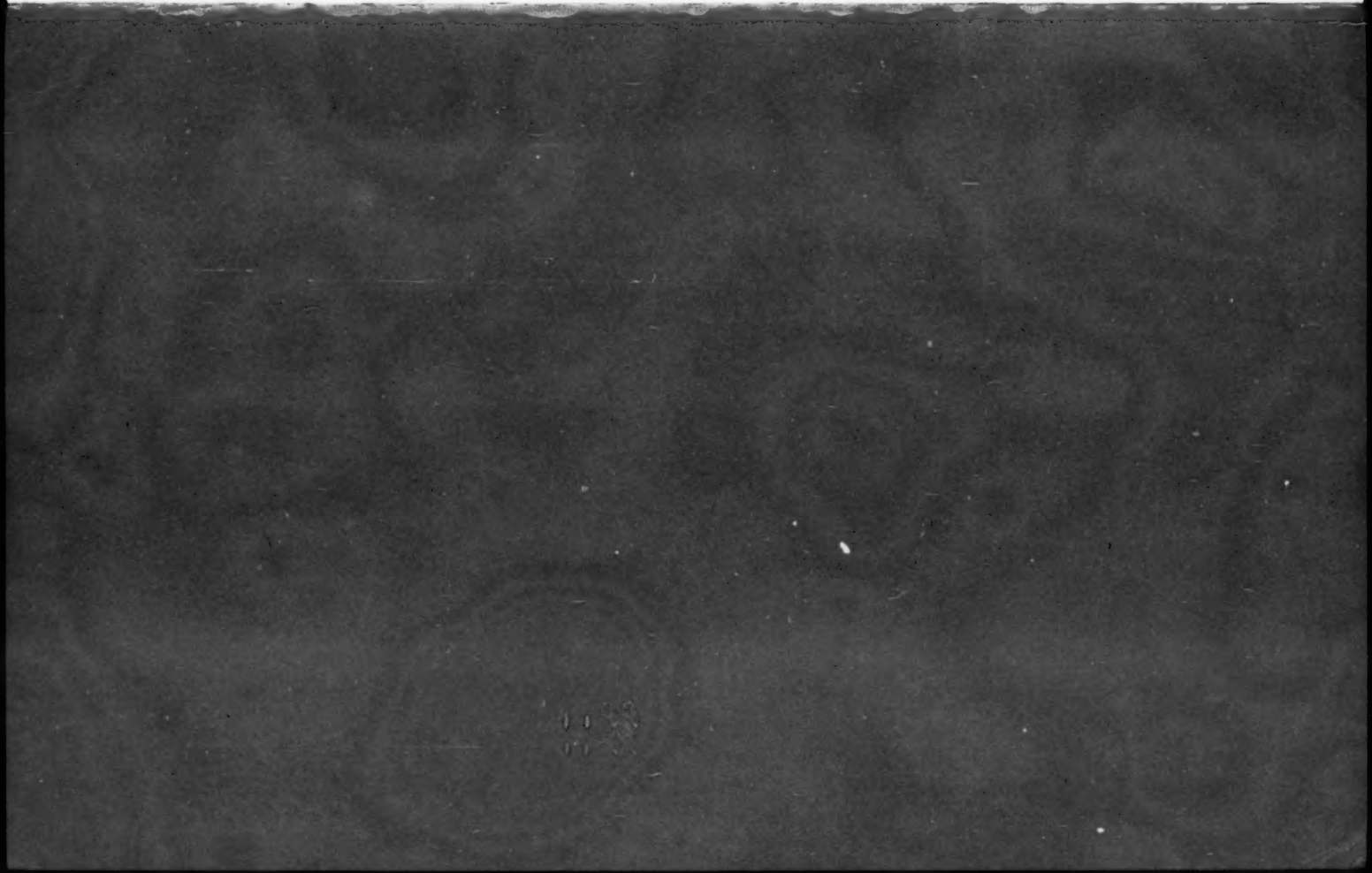

WILDLIFE REVIEW

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NATURAL RESOURCES

76-000496 Berwick, Stephen (Yale Univ., New Haven, Conn. 06511) THE GIR FOREST: AN ENDANGERED ECOSYSTEM. Am. Sci. 64 (1): 28-40. Jan.-Feb. 1976. WR 161

76-000497 Raven, Peter H.; Axelrod, Daniel I. (Washington Univ., St. Louis, Mo.) HISTORY OF THE FLORA AND FAUNA OF LATIN AMERICA. Am. Sci. 63 (4): 420-429. July-Aug. 1975. WR 161

GENERAL CONSERVATION

76-000498 Krug, Alan Scott A MODEL FOR EVALUATION OF AFFILIATES OF THE NATIONAL WILDLIFE FEDERATION. Ph. D. dissertation, Pa. State Univ. 183p. 1974. From Diss. Abstr. Int. B Sci. Eng. 35(12), 1975. WR 161

PLANTS--GENERAL, ECOLOGY, TECHNIQUES

76-000499 Cacek, Terrance Leigh (296 Sycamore Ave., Woodburn, Oreg. 97071) AN ECOLOGICAL INTERPRETATION OF NORTH CENTRAL COLORADO. Ph. D. dissertation, Colo. State Univ. 1974. From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975. [Dissertation not available on microfilm. For information concerning copies write directly to author.] WR 161

76-000500 McClenahen, James Richard EFFECTS OF CUTTING, DEER BROWSING, AND LIME ADDITION ON UNDERSTORY VEGETATION AND THE MICROENVIRONMENT IN ALLEGHENY HARDWOODS. Ph. D. dissertation, Pa. State Univ. 273p. 1974. From Diss. Abstr. Int. B Sci. Eng. 36(3), 1975. WR 161
/Odocoileus virginianus/ in Pennsylvania.

PLANTS--HABITAT SURVEYS

76-000501 Schrumpf, Barry James MULTISEASONAL-MULTISPECTRAL REMOTE SENSING OF PHENOLOGICAL CHANGE FOR NATURAL VEGETATION INVENTORY. Ph. D. dissertation, Oreg. State Univ. 223p. 1975. From Diss. Abstr. Int. B Sci. Eng. 36(5), 1975. WR 161

WILDLIFE--GENERAL

76-000502 Abaturov, B. D. (Inst. Anim. Evolutionary Morphol. & Ecol., USSR Acad. Sci., Moscow, USSR) [MECHANISMS OF NATURAL CONTROL OF RELATIONSHIPS BETWEEN PLANT-EATING MAMMALS AND PLANTS.] Zool. Zh. 54 (5): 741-751. May 1975. In Russian with English summ. WR 161

76-000503 Hunt, Larry Martin ENERGY FLOW IN ANIMAL POPULATIONS. Ph. D. dissertation, Oreg. State Univ. 125p. 1975. From Diss. Abstr. Int. B Sci. Eng. 35(12), 1975. WR 161

76-000504 Stahl, D. (Univ. Gottingen, Gottingen, Germany) AUSWIRKUNGEN DER STURMKATASTROPE VOM 13. NOVEMBER 1972 IN NORDWESTDEUTSCHLAND AUF DAS WILD. [EFFECTS ON WILDLIFE OF THE WINDSTORM CATASTROPHE OF NOVEMBER 13, 1972 IN NORTHWESTERN GERMANY.] Z. Jagdwiss. 22 (1): 1-19. Mar. 1976. In German with French and English summ. WR 161

WILDLIFE--TECHNIQUES

76-000505 Harding, Patrick J. R.; Chute, Frederick S.; Doell, Allan C. (Univ. Alberta, Edmonton T6G 2G5, Canada) INCREASING BATTERY RELIABILITY FOR RADIO TRANSMITTERS. J. Wildl. Manage. 40 (2): 357-358. Apr. 1976. WR 161

76-000506 Kolz, A. Lawrence; Johnson, Richard E. (Denver Wildl. Res. Cent. Denver, Colo. 80225) COULOMETRIC RECORDER FOR TIMING AND COUNTING EVENTS IN THE FIELD. J. Wildl. Manage. 40 (2): 278-282. Apr. 1976. WR 161

An event recorder for timing and counting was developed specifically for field application. The new recorder uses inexpensive coulometers for data storage and requires only microwatts of power from long-lasting batteries. Stored data are retrieved from the recording cells with a simple laboratory readout instrument. --From abstr.

WILDLIFE--FAUNAS, NATURAL HISTORY, MANUALS

76-000507 Cauley, Darrell Lee HABITAT REQUIREMENTS OF FOUR SELECTED SPECIES IN THE URBAN ENVIRONMENT. Ph. D. dissertation, Mich. State Univ. 73p. 1974. From Diss. Abstr. Int. B Sci. Eng. 36(1), 1975. WR 161

/Richmondena cardinalis/, /Cyanocitta cristata/, /Procyon lotor/ and /Sciurus niger/ in Michigan.

76-000508 Cheylan, Gilles; Cheylan, Marc (7 rue du 11-Novembre, 13100 Aix-en-Provence, France) BIOGEOGRAPHIE D'UNE MONTAGNE MEDITERRANEENNE: LA SAINTE-VICTOIRE (BOUCHES-DU-RHONE) II.--ANALYSE DU PEUPLEMENT. [BIOGEOGRAPHICAL STUDY OF THE SAINTE-VICTOIRE MOUNTAIN. II.--POPULATION ANALYSIS.] Alauda 44 (1): 23-45. Mar. 1976. In French with German and English summ. WR 161

76-000509 Gustafson, John Roger VERTEBRATE STRUCTURE OF A SAGEBRUSH COMMUNITY, WASHOE COUNTY, NEVADA. Ph. D. dissertation, Univ. Nev. 284p. 1974. From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975. WR 161
The diversity and density of the vertebrates of a big sagebrush (/Artemisia tridentata/) community in southern Washoe County, Nevada, were determined from data collected on a 105-acre study area, and within a mile of the study area, from August, 1971, to July, 1973.

76-000510 Rowlett, Richard A. SEABIRDS AND MARINE MAMMALS OFF OCEAN CITY, MARYLAND. Atl. Nat. 29 (4): 151-154. 1974. WR 161

76-000511 Turcek, Frantisek J. (Slovak Acad. Sci., Res. Stn., Banska Stiavnica, Czechoslovakia) BIRDS AND MAMMALS OF SALT MARSHES AND SALT STEPPES IN SOUTHERN SLOVAKIA (CSSR). Biol. Conserv. 9 (1): 29-36. Jan. 1976. WR 161
Data on 48 bird and 19 mammal spp.

WILDLIFE--NATURAL AREAS & REFUGES

76-000512 Bayfield, Neil G.; Barrow, Graham C. (Brathens Res. Stn., Banchory, Kincardineshire, Scotland) THE USE AND ATTRACTION OF NATURE TRAILS IN UPLAND BRITAIN. Biol. Conserv. 9 (4): 267-292. June 1976. WR 161

76-000513 Cassola, Fabio; Lovari, Sandro (Via Verdi 29, 53100 Siena, Italy) NATURE CONSERVATION IN ITALY: PROPOSED NATIONAL AND REGIONAL PARKS AND OTHER AREAS DESERVING PROTECTION. Biol. Conserv. 9 (4): 243-257. June 1976. In English with Italian summ. WR 161
Discussion of 56 areas.

76-000514 Cassola, Fabio; Lovari, Sandro (Via Verdi 29, 53100 Siena, Italy) NATURE CONSERVATION IN ITALY: PROPOSED NATIONAL AND REGIONAL PARKS AND OTHER AREAS DESERVING PROTECTION. Biol. Conserv. 9 (4): 243-257. June 1976. In English with Italian summ. WR 161
Discussion of 56 areas.

76-000515 Chanter, D. O.; Owen, D. F. (Glasshouse Crops Res. Inst., Littlehampton, Sussex, England) NATURE RESERVES: A CUSTOMER SATISFACTION INDEX. Oikos 27 (1): 165-167. 1976. In English with Russian summ. WR 161

76-000516 Leuthold, Walter; Leuthold, Barbara M. (Tsavo Res. Proj., P.O. Box 14, Voi, Kenya) DENSITY AND BIOMASS OF UNGULATES IN TSAVO EAST NATIONAL PARK, KENYA. E. Afr. Wildl. J. 14 (1): 49-58. Mar. 1976. WR 161
Total biomass density compares well with that in areas of similar climatic conditions but is much lower than that in moist savannas of western Uganda and Zaire with higher rainfall.-- From abstr.

76-000517 Mairs, John W. (Oreg. State Univ., Corvallis 97331) THE USE OF REMOTE SENSING TECHNIQUES TO IDENTIFY POTENTIAL NATURAL AREAS IN OREGON. Biol. Conserv. 9 (4): 259-266. June 1976. WR 161
The characteristics and uses of high altitude color infrared photography are discussed with reference to natural area inventory.-- From abstr.

76-000518 Ross, I. C.; Field, C. R.; Harrington, G. N. (British High Commission, P.O. Box RW50, Lusaka, Zambia) THE SAVANNA ECOLOGY OF KIDEPO VALLEY NATIONAL PARK, UGANDA. III. ANIMAL POPULATIONS AND PARK MANAGEMENT RECOMMENDATIONS. E. Afr. Wildl. J. 14 (1): 35-48. Mar. 1976. WR 161
Counts of ungulates and elephants for the period 1967-1972 are analyzed.

76-000519 Viedma, M. G. de; Leon, P.; Coronado, R. (Polytech. Univ. Madrid, Madrid, Spain) NATURE CONSERVATION IN SPAIN: A BRIEF ACCOUNT. Biol. Conserv. 9 (3): 181-190. Apr. 1976. WR 161
The history of nature conservation in Spain is reviewed with reference to public attitudes past, present and future. The eight National Parks are listed and described in terms of their location, date of foundation, extension and main historical, floristic and faunistic characteristics.--From abstr.

76-000520 Wetterberg, Gary Bernard THE HISTORY AND STATUS OF SOUTH AMERICAN NATIONAL PARKS AND AN EVALUATION OF SELECTED MANAGEMENT OPTIONS. Ph. D. dissertation, Univ. Wash. 1974. In English with Spanish Summ. From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975. WR 161

WILDLIFE--ENDANGERED & THREATENED SPECIES

76-000521 Hutcherson, Kate (Univ. Ky., Lexington) ENDANGERED SPECIES: THE LAW AND THE LAND. J. For. 74 (1): 31-34. Jan. 1976. WR 161

WILDLIFE--BEHAVIOR

76-000522 Mayr, Ernst (Harvard Univ., Cambridge, Mass. 02138) BEHAVIOR PROGRAMS AND EVOLUTIONARY STRATEGIES. Am. Sci. 62 (6): 650-659. Nov.-Dec. 1974. WR 161

76-000523 Morgan, B. J. T.; Simpson, M. J. A.; Hanby, Jeannette P.; Hall-Craggs, Joan (Univ. Kent, Canterbury, Kent, CT2 7NP, England) VISUALIZING INTERACTION AND SEQUENTIAL DATA IN ANIMAL BEHAVIOUR: THEORY AND APPLICATION OF CLUSTER-ANALYSIS METHODS. Behaviour 56 (1-2): 1-43. 1976. In English with German summ. WR 161

76-000524 Naumov, N. P. (Inst. Anim. Evolutionary Morphol & Ecol., USSR Acad. Sci., Moscow, USSR). [MECHANISMS OF INTERACTION OF POPULATIONS (SOME MAMMALS AND BIRDS TAKEN AS AN EXAMPLE).] Zool. Zh. 54 (6): 832-847. June 1975. In Russian with English summ. WR 161

WILDLIFE--MORTALITY & SURVIVAL

76-000525 Leedy, D. L.; Franklin, T. M.; Hekimian, E. C. HIGHWAY-WILDLIFE RELATIONSHIPS. VOL. 2. AN ANNOTATED BIBLIOGRAPHY. Fed. Highway Adm., Off. Res. Dev. Rep. no. FHWA-RD-76-5. x + 417p. Dec. 1975. WR 161
Annotated bibliography of 794 items.

76-000526 Leedy, D. L. HIGHWAY-WILDLIFE RELATIONSHIPS. VOL. 1. A STATE-OF-THE-ART REPORT. Fed. Highway Adm., Off. Res. Dev. Rep. no. FHWA-RD-76-4. x + 193p. Dec. 1975. WR 161
An assessment of what is known about the effects of highways, their construction, maintenance and operation on fish, wildlife and their habitat. In addition, the effects of wildlife on highway structures, vehicular use, and rights-of-way vegetation were considered.

WILDLIFE--PESTICIDES & POLLUTION

76-000527 Banasiak, Chester F. POPULATION STRUCTURE AND REPRODUCTIVE ECOLOGY OF THE RED-BACKED SALAMANDER IN DDT-TREATED FORESTS OF NORTHERN MAINE. Ph.D. dissertation, Univ. Maine 130p. 1974. From Diss. Abstr. Int. B Sci. Eng. 36(3), 1975. WR 161
Red-backed salamander (/Plethodon cinereus/, Green) populations in the spruce-fir forest region of northern Maine were studied during the summers of 1971 and 1972 to obtain information on nesting ecology and to determine the effects of low-level DDT residues on reproductive parameters. Study areas received 3 applications of DDT at 1.12 kg per hectare between 1958 and 1964 and residues of 70 to 270 ppb of DDT and its metabolites persisted in salamanders in 1972.

76-000528 Cumbie, Peter Michael MERCURY ACCUMULATION IN WILDLIFE IN THE SOUTHEAST. Ph. D. dissertation, Univ. Ga. 157p. 1975. From Diss. Abstr. Int. B Sci. Eng. 36(8), 1976. WR 161
Tissues of mammals, birds, reptiles, amphibians, and fish from different physiographic regions of Georgia, Florida, and South Carolina were analyzed for total mercury content by neutron activation analysis or atomic absorption spectroscopy.

76-000529 Heinz, G. H.; Locke, L. N. (Patuxent Wildl. Res. Cent., Laurel, Md. 20811) BRAIN LESIONS IN MALLARD DUCKLINGS FROM PARENTS FED METHYLMERCURY. Avian Dis. 20 (1): 9-17. Jan.-Mar. 1976. WR 161
/Anas platyrhynchos/.

76-000530 Jansson, B.; Jensen, S.; Olsson, M.; Renberg, L.; Sundstrom, G.; Vaz, R. (Univ. Stockholm, S-104 05 Stockholm 50, Sweden) IDENTIFICATION BY GC-MS OF PHENOLIC METABOLITES OF PCB AND P, P'-DDE ISOLATED FROM BALTIC GUILLEMOT AND SEAL. Ambio 4 (2): 93-97. 1975. WR 161
/Uria aalge/ and /Halichoerus grypus/.

76-000531 Licht, Lawrence E. (York Univ., Downsview, Ontario, Canada) TIME COURSE OF UPTAKE, ELIMINATION, AND TISSUE LEVELS OF [C-14] DDT IN WOOD-FROG TADPOLES. Can. J. Zool. 54 (3): 355-360. Mar. 1976. In English with French summ. WR 161
/Rana sylvatica/.

76-000532 Moreton, B. D.; Kite, T. E. (St. John's, Burleigh Rd., Charing, Ashford, Kent TN27 0JB, England) DDT AND BIRDS IN A KENTISH ORCHARD. Bird Study 22 (4): 228-232. Dec. 1975. WR 161
/Turdus merula/ and /T. philomelos/.

76-000533 Westermark, T.; Odsjo, T.; Johnels, A. G. (Royal Inst. Technol., S-100 44 Stockholm, Sweden) MERCURY CONTENT OF BIRD FEATHERS BEFORE AND AFTER SWEDISH BAN ON ALKYL MERCURY IN AGRICULTURE. Ambio 4 (2): 87-92. 1975. WR 161

WILDLIFE--PARASITES & DISEASES

76-000534 Kalyakin, V. N.; Zasukhin, D. N. (Gamaleya Inst. Epidemiol. & Microbiol., USSR Acad. Med. Sci., Moscow, USSR) DISTRIBUTION OF SARCOCYSTIS (PROTOZOA: SPOROZOA) IN VERTEBRATES. Folia Parasitol. (Prague) 22 (4): 289-307. 1975. In English with Russian summ. WR 161
Abstract: A survey of Sarcocystis species parasitizing members of 3 orders of vertebrates is given.

76-000535 Litvin, V. Y. (Gamaleya Inst. Epidemiol. & Microbiol., USSR Acad. Med. Sci., Moscow, USSR) PHYSICAL SIMULATION IN EPIZOOTOLOGY OF NON-TRANSMISSIVE ZOONOSES. Folia Parasitol. (Prague) 22 (3): 251-256. 1975. In English with Russian summ. WR 161

76-000536 Nama, H. S.; Khichi, P. S. (Univ. Jodhpur, Jodhpur, India) STUDIES ON CESTODES (/HYMENOLIDIDAE/) FROM /COLUMBA LIVIA/ AND /RATTUS RATTUS/. Acta Parasitol. Pol. 23 (16): 223-228. Aug. 1975. In English with Polish summ. WR 161

WILDLIFE--ECONOMICS, DAMAGE, PREDATION, CONTROL

76-000537 Wille, Chris CONTROLLING NUISANCE WILDLIFE. Outdoor Okla. 32 (1): 2-6. Jan. 1976. WR 161
Squirrels, skunks, raccoon, cottontail rabbit, beaver, bats, prairie dog, gophers, moles, coyotes, snakes and noxious birds.

HUNTING--AREAS & PROBLEMS

76-000538 Kesling, Robert Vernon, Jr. AN ADMINISTRATIVE STUDY OF SOUTHERN MICHIGAN STATE GAME AREAS. Ph. D. dissertation, Mich. State Univ. 193p. 1974. From Diss. Abstr. Int. B Sci. Eng. 36(1), 1975. WR 161

76-000539 Univ. Wisconsin-Stevens Point (Univ. Wis., Stevens Point 54481) HUNTING: SPORT OR SIN? Univ. Wis.-Stevens Point, Coll. Nat. Resour. pii + 98p. 14 Sept. 1974. WR 161
Various views of this subject are presented.

WILDLIFE--HARVEST & HUNTING STATISTICS

76-000540 Berger, Michael Edward TEXAS HUNTERS: CHARACTERISTICS, OPINIONS, AND FACILITY PREFERENCES. Ph. D. dissertation, Tex. A&M Univ. 142p. 1974. From Diss. Abstr. Int. B Sci. Eng. 35(8), 1975. WR 161

76-000541 DeLong, James W.; Wagner, Robert T.; Dimit, Robert M. (S. Dak. State Univ., Brookings) FACTORS ASSOCIATED WITH VARYING ATTITUDES AMONG SOUTH DAKOTANS TOWARD HUNTING, HUNTERS AND GAME OFFICIALS. REPORT NUMBER SIX. S. Dak. State Univ. Dep. Rural. Sociology iii + 63p. Feb. 1976. WR 161
Report based upon a 0.25 percent sample of all persons on the personal property tax listings in South Dakota in 1973 and all Indian reservation households. Data were collected by trained interviewers.

76-000542 Donoho, Harvey S.; Riffel, Harlan D.; Tully, Robert J. 1974 COLORADO SMALL GAME, FURBEARER AND VARMINT HARVEST. Colo. Div. Wildl. i + 215p. May 1976. Available at $3.00 from Colo. Div. Wildl., Fort Collins 80521. WR 161
Harvest statistics for all game (other than big game) are presented.

76-000543 Shaw, William Wesley SOCIOLOGICAL AND PHYSCHOLOGICAL DETERMINANTS OF ATTITUDES TOWARD HUNTING. Ph. D. dissertation, Univ. Mich. 92p. 1974. From Diss. Abstr. Int. B Sci. Eng. 35(11), 1975. WR 161

WILDLIFE--MANAGEMENT & RESEARCH--GENERAL

76-000544 Ajayi, S. S. (Univ. Ibadan, Ibadan, Nigeria) NIGERIA'S PROGRESS IN WILDLIFE MANAGEMENT. Nigerian Field 39 (2): 71-76. June 1974. WR 161

76-000545 Guynn, David Clair, Jr. A SIMULATION MODEL FOR EVALUATING WILDLIFE MANAGEMENT ALTERNATIVES. Ph. D. dissertation, Va. Polytech. Inst. & State Univ. 182p. 1975. From Diss. Abstr. Int. B Sci. Eng. 36(6), 1975. WR 161

76-000546 Munch, Neal A BIRDS EYE VIEW OF WILDLIFE IN THE SUBURBS. N. J. Outdoors 3 (2): 2-3,30-31. Mar.-Apr. 1976. WR 161
Wildlife habitat development in New Jersey suburbs.

76-000547 Sikes, Sylvia K. WILDLIFE CONSERVATION WITH REFERENCE TO BENUE-PLATEAU STATE, NIGERIA. Nigerian Field 39 (2): 58-70. June 1974. WR 161

WETLANDS & WILDLIFE

76-000548 Clambey, Gary Kenneth A SURVEY OF WETLAND VEGETATION IN NORTH-CENTRAL IOWA. Ph. D. dissertation, Iowa State Univ. 210p. 1975. From Diss. Abstr. Int. B Sci. Eng. 36(10), 1976. WR 161

RANGELAND, TUNDRA & WILDLIFE

76-000549 Grant, William Edward THE FUNCTIONAL ROLE OF SMALL MAMMALS IN GRASSLAND ECOSYSTEMS. Ph. D. dissertation, Colo. State Univ. 191p. 1974. From Diss. Abstr. Int. B Sci. Eng. 36(1), 1975. WR 161

76-000550 Maxwell, Eugene L. MULTISPECTRAL ANALYSIS OF RANGELAND CONDITIONS. Ph. D. dissertation, Colo. State Univ. 211p. 1975. From Diss. Abstr. Int. B Sci. Eng. 36(6), 1975. WR 161
The usefulness of ERTS and other remote sensing systems, as a source of information for rangeland management was evaluated. A field measurement program supported and verified the successful use of ERTS imagery for computer classification of vegetation type, range condition and green biomass. A Bayesian-maximum likelihood classification system was used.

76-000551 Roberts, Robert W. EVALUATING THE IMPACT OF RANGE TREATMENT ON VEGETATION. Oreg. Wildl. Comm. Wildl. Res. Rep. no. 7. iii + 30p. June 1975. WR 161

FORESTS & WILDLIFE

76-000552 Ambrose, Richard Edgar THE EFFECT OF SMALL-TRACT CLEARCUTTING ON POPULATIONS OF BIRDS AND SMALL MAMMALS. Ph. D. dissertation, Univ. Tenn. 311p. 1975. From Diss. Abstr. Int. B Sci. Eng. 36(7), 1976. WR 161

Absolute censuses of breeding birds and small mammals were made on four study areas in Anderson County, Tennessee over a three-year period with an additional breeding bird survey made on a fifth area for one season

76-000553 Dueser, Raymond Denson STRUCTURAL NICHES IN A FOREST FLOOR SMALL MAMMAL COMMUNITY. Ph. D. dissertation, Univ. Mich. 146p. 1975. From Diss. Abstr. Int. B Sci. Eng. 36(3), 1975. WR 161

Populations of /Blarina brevicauda/, /Peromyscus leucopus/, /Ochrotomys nuttalli/ and /Tamias striatus/ were sampled in intensively with mark-and-release techniques in the oak-hickory, chestnut oak and pine forest types in eastern Tennessee.

76-000554 Kim, Bong Koo CONSTRAINTS ON TIMBER PRODUCTION TO ACCOMMODATE WILDLIFE HABITAT. Ph. D. dissertation, Univ. Mo. 128p. 1973. From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975. WR 161

76-000555 Schuler, Albert Thomas MULTIPLE USE RESOURCE MANAGEMENT ON NATIONAL FORESTS VIA GOAL PROGRAMMING. Ph. D. dissertation, Iowa State Univ. p230p. 1975. From Diss. Abstr. Int. B Sci. Eng. 36(7), 1976. WR 161

76-000556 Short, Henry L.; Epps, E. A., Jr. (Ariz. State Univ., Tempe 85281) NUTRIENT QUALITY AND DIGESTIBILITY OF SEEDS AND FRUITS FROM SOUTHERN FORESTS. J. Wildl. Manage. 40 (2): 293-289. Apr. 1976. WR 161

ENVIRONMENTAL IMPACTS & ASSESSMENTS

76-000557 Doucet, G. Jean EFFECT OF HABITAT MANIPULATION ON THE ACTIVITY OF AN ANIMAL COMMUNITY. Ph. D. dissertation, McGill Univ. 1975. From Diss. Abstr. Int. B Sci. Eng. 36(10), 1976. [To obtain a microfiche copy order from the National Library of Canada at Ottawa.] WR 161

76-000558 Dunnet, G. M. IMPACT OF THE OIL INDUSTRY ON SCOTLAND'S COASTS AND BIRDS. Scott. Birds 8 (1): 3-16. 1974. WR 161

76-000559 Gadzama, N. M.; Mustafa, S.; Parr, M. J. (Ahmadu Bello Univ., Zaria, Nigeria) NOTES ON THE HISTORY OF HUMAN INFLUENCE IN THE YANKARI GAME RESERVE AREA, NIGERIA. Nigerian Field 39 (2): 76-85. June 1974. WR 161

76-000560 Lewke, Robert Edward PRE-IMPOUNDMENT STUDY OF VERTEBRATE POPULATIONS AND RIPARIAN HABITAT BEHIND LOWER GRANITE DAM ON THE SNAKE RIVER IN SOUTHEASTERN WASHINGTON. Ph. D. dissertation, Wash. State Univ. 258p. 1975. From Diss. Abstr. Int. B Sci. Eng. 36(7), 1976. WR 161

76-000561 Sly, George R. (P.O. Box 321, Dugger, Ind. 47848) SMALL MAMMAL SUCCESSION ON STRIP-MINED LAND IN VIGO COUNTY, INDIANA. Am. Midl. Nat. 95 (2): 257-267. Apr. 1976. WR 161
/Peromyscus/ spp., /Microtus/ spp., /Cryptotis parva/, /Mus musculus/ and /Blarina brevicauda/.

76-000562 Toussaint, Craig Robert A METHOD FOR THE DETERMINATION OF REGIONAL VALUES ASSOCIATED WITH THE ASSESSMENT OF ENVIRONMENTAL IMPACTS. Ph. D. dissertation, Univ. Okla. 228p. 1975. From Diss. Abstr. Int. B Sci. Eng. 36(8), 1976. WR 161

MAMMALS--GENERAL

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76-001098 Bruderer, Bruno (Schweiz. Vogelwarte, 6204 Sempach, Switzerland) ZEITLICHE UND RAEUMLICHE UNTERSCHIEDE IN DER RICHTUNG UND RICHTUNGSSTREUUNG DES VOGELZUGES IM SCHWEIZERISCHEN MITTELLAND. [VARIATION IN DIRECTION AND SPREAD OF DIRECTIONS OF BIRD MIGRATION IN NORTHERN SWITZERLAND.] Ornithol. Beob. 72 (4): 169-179. Oct. 1975. In German with French and English summ. WR 161

76-001099 Hemery, Georges; Hemery, Isabelle (Mus. Natl. Hist. Nat., 75005 Paris, France) ANALYSE DE LA MIGRATION PRENUPTIALE DES PALMIPEDES ET DES ECHASSIERS DANS LA REGION PARISIENNE DE 1969 A 1972. [ANALYSIS OF PRENUPTIAL MIGRATION OF THE WATERFOWL AND WADERS IN THE REGION OF PARIS DURING 1969-1972.] Oiseau Rev. Fr. Ornithol. 45 (4): 319-335. 1975. In French with English summ. WR 161

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BIRDS--MORTALITY & SURVIVAL

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BIRDS--PESTICIDES & POLLUTION

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76-001108 Fimreite, Norvald; Brun, Einar; Froslie, Arne; Frederichsen, Per; Gundersen, Nils (Univ. Tromso, N-9000 Tromso, Norway) MERCURY IN EGGS OF NORWEGIAN SEABIRDS. Astarte 7 (2): 71-75. 974. WR 161

76-001109 Ford, James Russell BIOLOGICAL EFFECTS OF METHYL MERCURY IN AQUATIC SYSTEMS ON MALLARDS AND SCAUP. Ph. D. dissertation, Mich. State Univ. 81p. 1975. From Diss. Abstr. Int. B Sci. Eng. 36(6), 1975. WR 161

Mallards (/Anas platyrhynchos/) and scaup (/Aythya/ spp.), during October and November, were estimated to have daily total mercury consumption rates of 0.008 and 0.681 mg, respectively. Scaup, during March, were estimated to consume 0.175 mg total mercury daily. Feeding experiments with mallards indicate that consumption of methyl mercury can lower both survival and reproduction.

76-001110 Johnson, Eric V.; Mack, Guilford L.; Thompson, Daniel Q. (Calif. Polytech State Univ, San Luis Obispo 93407) THE EFFECTS OF ORCHARD PESTICIDE APPLICATIONS ON BREEDING ROBINS. Wilson Bull. 88 (1): 16-35. Mar. 1976. WR 161

Results of a 3-yr. study on /Turdus migratorius/ in New York.--Courtesy/ Paul A. Stewart.

76-001111 Munoz, Raul V., Jr.; Hacker, Carl S.; Gesell, Thomas F. (El Paso City-County Health Unit, El Paso, Tex. 79901) ENVIRONMENTALLY AQUIRED LEAD IN THE LAUGHING GULL, /LARUS ATRICILLA/. J. Wildl. Dis. 12 (2): 139-142. Apr. 1976. WR 161

76-001112 Parker, James W. (Wilmington Coll., Wilmington, Ohio 45177) PESTICIDES AND EGGSHELL THINNING IN THE MISSISSIPPI KITE. J. Wildl. Manage. 40 (2): 243-248. Apr. 1976. WR 161

/Ictinia misisippiensis/ in Kansas, Oklahoma and Texas.

76-001113 Pounder, B. (64 Forfar Rd., Dundee, Angus, Scotland) WATERFOWL AT EFFLUENT DISCHARGES IN SCOTTISH COASTAL WATERS. Scott. Birds 9 (1): 5-36. 1976. WR 161
The results of the survey demonstrate the importance of large effluent discharge sites particularly to Scaups, Eiders, Goldeneyes and Mute Swans.--From summ.

76-001114 Sifri, Mamduh COMPARATIVE EFFECTS OF DDT AND VITAMIN A ON MICROSOMAL MIXED FUNCTION OXIDASES OF DUCKS, QUAIL AND CHICKENS. Ph. D. dissertation, N. Dak. State Univ. 153p. 1974. From Diss. Abstr. Int. B Sci. Eng. 35(8), 1975.WR 161

76-001115 Stromborg, Kenneth Lee SUB-LETHAL EFFECTS OF SEED TREATMENT PESTICIDES ON BREEDING HEN PHEASANTS. Ph. D. dissertation, Mich. State Univ. 58p. 1975. From Diss. Abstr. Int. B Sci. Eng. 36(6), 1975. WR 161
Three seed treatment pesticides, the fungicide captan and insecticides dieldrin and Diazinon, were tested for sub-lethal effects on pheasants (/Phasianus colchicus/). In one experiment, laying female pheasants were fed sub-lethal daily doses of captan, dieldrin, Diazinon, captan plus dieldrin, and captan plus Diazinon. In a second experiment, the dose-response relationships of captan and Diazinon singly and in combination were investigated by giving a range of sub-lethal daily doses.

BIRDS--PARASITES & DISEASES

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76-001118 Cheke, R. A.; Hassall, M.; Peirce, M. A. (Univ. Sheffield, Sheffield S10 2TN, South Yorkshire, England) BLOOD PARASITES OF BRITISH BIRDS AND NOTES ON THEIR SEASONAL OCCURRENCE AT TWO RURAL SITES IN ENGLAND. J. Wildl. Dis. 12 (2): 133-138. Apr. 1976. WR 161

76-001119 Cooper, C. Lawrence; Crites, John L. (Ohio State Univ., Columbus 43210) COMMUNITY ECOLOGY OF HELMINTH PARASITISM IN AN INSULAR PASSERINE AVIFAUNA. J. Parasitol. 62 (1): 105-110. Feb. 1976. WR 161
/Agelaius phoeniceus/, /Cyanocitta crista/, /Molothrus ater/, /Quiscalus quiscula/, /Passer domesticus/, /Sturnus vulgaris/ and /Turdus migratorius/ in Ohio.

76-001120 Cooper, Clyde Lawrence THE HELMINTH PARASITES OF AN INSULAR AVIAN PASSERINE COMMUNITY: RELATIONSHIP TO LANDSCAPE EPIDEMIOLOGY. Ph. D. dissertation, Ohio State Univ. 217p. 1975. From Diss. Abstr. Int. B Sci. Eng. 36(6), 1975. WR 161
This study was undertaken to determine the prevalence and intensity of helminth parasitism in seven species of passerine birds on South Bass Island, Ottawa County, Ohio.

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